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(503) 906-9200

(541) 383-9310

FAX 906-9210 FAX 382-7588

CHAIN OF CUSTODY REPORT

Work Order #: M108010

CLIENT: BRISTOL			1.		INVOICE TO:						TURNAROUND REQUEST in Business Days*								
REPORT TO: ANNE	KRANAWET	TE			BR	151	OL										nic & Inorganic Analyses	_	
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PHONE: 907-770-(PROJECT NAME: AMU	FAX: / 1		5(1	<u> </u>	P.O. N	P.O. NUMBER: 21090 REQUESTED ANALYSES							ST			_			
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425.420.9200 fax 425.420.9210

Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776

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Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711

541.383.9310 fax 541.382.7588

7 December, 2001

Anne Kranawetter Bristol Environmental & Engineering 2000 W International Airport C#1 Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 08/05/01 14:48. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson

Environmental Group Leader

1112

Work Orders included in this report:

M108010



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Bristol Environmental & Engineering Project: Amchitka 2000 W International Airport C#1 Project Number: 21090

Reported: 08/09/01 12:49

Anchorage, AK 99502-1116 Project Manager: Anne Kranawetter

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMA1902SL	M108010-01	Soil	08/05/01 14:35	08/05/01 14:48
01AMA1903SL	M108010-02	Soil	08/05/01 14:30	08/05/01 14:48

C. O. C # 219

North Creek Analytical - Mobile Lab



Anchorage, AK 99502-1116

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223

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Bristol Environmental & Engineering Project: Amchitka 2000 W International Airport C#1 Project Number: 21090

Reported:

08/09/01 12:49

Project Manager: Anne Kranawetter

Diesel Hydrocarbons (C10-C25) per AK102 North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMA1902SL (M108010-01) Soil					Sampled: 08	/05/01 Rece	eived: 08/05/	01	
Diesel Range Organics	ND	135	mg/kg dry	1	AK 102	08/07/01	08/08/01	0108018	
Surr: 1-Chlorooctadecane Surr: Triacontane	95.2 % 105 %	50-150 50-150							

North Creek Analytical - Mobile Lab

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Bristol Environmental & Engineering
2000 W International Airport C#1

Project Number: 21090

Reported:

Anchorage, AK 99502-1116

Project Manager: Anne Kranawetter

Project: Amchitka

08/09/01 12:49

BTEX,MTBE and Naphthalene per EPA Method 8021B North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	n Method	Prepared	Analyzed	Batch	Notes
01AMA1902SL (M108010-01) Soil					Sampled: 08/	05/01 Rece	eived: 08/05/	01	_
Benzene	ND	0.0733	mg/kg dry	50	!1B BTEX/MT	1 08/06/01	08/07/01	0108017	
Toluene	ND	0.293	"	"	"	"	"	"	
Ethylbenzene	ND	0.293	"	"	"	"	"	"	
Xylenes (total)	ND	0.586	"	"	"	"	"	"	
Naphthalene	ND	2.93	"	"	"	"	"	"	
Surr: 4-BFB	84.1 %	50-150							
01AMA1903SL (M108010-02) Soil					Sampled: 08/	05/01 Rece	eived: 08/05/	01	_
Benzene	ND	0.100	mg/kg dry	50	!1B BTEX/MT	1 08/06/01	08/07/01	0108017	
Toluene	ND	0.400	"	"	"	"	"	"	
Ethylbenzene	ND	0.400	"	"	"	"	"	"	
Xylenes (total)	ND	0.800	"	"	"	"	"	"	
Naphthalene	ND	4.00	"	"	"	"	"	"	
Surr: 4-BFB	86.9 %	50-150							

North Creek Analytical - Mobile Lab



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Bristol Environmental & Engineering Project: Amchitka 2000 W International Airport C#1 Project Number: 21090

Reported: 08/09/01 12:49

Anchorage, AK 99502-1116 Project Manager: Anne Kranawetter

Physical Parameters per APHA/ASTM/EPA Methods North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMA1902SL (M108010-01) Soil					Sampled: 08/	05/01 Rece	eived: 08/05/	01	
% Solids	80.7	0.0100 %	by Weight	1	Gravimetric	08/07/01	08/08/01	0108019	
01AMA1903SL (M108010-02) Soil					Sampled: 08/	05/01 Rece	eived: 08/05/	01	
% Solids	100	0.0100%	by Weight	1	Gravimetric	08/07/01	08/08/01	0108019	

North Creek Analytical - Mobile Lab

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127

87.5

103

92.0

Prepared: 08/07/01 Analyzed: 08/08/01

50-150

60-140

50-150

50-150

Bristol Environmental & Engineering 2000 W International Airport C#1

Project: Amchitka
Project Number: 21090

Reported: 08/09/01 12:49

Anchorage, AK 99502-1116

Surr: Triacontane

Surr: Triacontane

Diesel Range Organics

Surr: 1-Chlorooctadecane

Matrix Spike (0108018-MS1)

Project Manager: Anne Kranawetter

Diesel Hydrocarbons (C10-C25) per AK102 - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0108018 - 3545 ASE	·								
Blank (0108018-BLK1)			Prepare	ed: 08/07/0	1 Analyz	ed: 08/08/0)1		
Diesel Range Organics	ND	135 mg/kg we	t						
Surr: 1-Chlorooctadecane	27.6	"	23.7		116	50-150			
Surr: Triacontane	26.3	"	23.5		112	50-150			
LCS (0108018-BS1)			Prepare	ed: 08/07/0	1 Analyz	ed: 08/08/0)1		
Diesel Range Organics	1440	135 mg/kg we	t 1250		115	75-125			
Surr: 1-Chlorooctadecane	29.6	"	23.7		125	50-150			
Surr: Triacontane	29.2	"	23.5		124	50-150			
LCS Dup (0108018-BSD1)			Prepare	ed: 08/07/0	1 Analyz	ed: 08/08/0)1		
Diesel Range Organics	1460	135 mg/kg we	t 1250		117	75-125	1.38	20	
Surr: 1-Chlorooctadecane	30.9	"	23.7		130	50-150			

23.5

1200

22.8

22.6

29.8

1050

23.5

20.8

Source: M108009-01

129 mg/kg dry

North Creek Analytical - Mobile Lab



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Bristol Environmental & Engineering 2000 W International Airport C#1

Project: Amchitka
Project Number: 21090

Reported: 08/09/01 12:49

Anchorage, AK 99502-1116

Project Manager: Anne Kranawetter

BTEX,MTBE and Naphthalene per EPA Method 8021B - Quality Control

North Creek Analytical - Mobile Lab

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 0108017 - MeOH Extraction	on				
Blank (0108017-BLK1)			Prepared &	Analyzed: 08/06/01	
Benzene	ND	0.0250 mg/kg wet			
Toluene	ND	0.100 "			
Ethylbenzene	ND	0.100 "			
Xylenes (total)	ND	0.200 "			
Naphthalene	ND	1.00 "			
Surr: 4-BFB	2.21	"	2.50	88.4 50-150	
LCS (0108017-BS1)			Prepared &	Analyzed: 08/06/01	
Benzene	1.94	0.0250 mg/kg wet	2.50	77.6 69-138	
Toluene	2.05	0.100 "	2.50	82.0 53-151	
Ethylbenzene	2.06	0.100 "	2.50	82.4 61-141	
Xylenes (total)	6.25	0.200 "	7.50	83.3 62-141	
Naphthalene	2.84	1.00 "	2.50	114 65-135	
Surr: 4-BFB	2.30	"	2.50	92.0 50-150	

North Creek Analytical - Mobile Lab



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Bristol Environmental & Engineering Project: Amchitka 2000 W International Airport C#1 Project Number: 21090

Anchorage, AK 99502-1116 Project Manager: Anne Kranawetter 08/09/01 12:49

Notes and Definitions

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.

wet Sample results reported on a wet weight basis (as received)

RPD Relative Percent Difference

North Creek Analytical - Mobile Lab

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from:
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			1249.mdb
			Default Report (not modified)